Portable Electric Scooter

USER MANUAL

Thank you for purchasing our products

PLEASE CAREFULLY READ THE USER MANUAL AND WARRANTY BOOK BEFORE USING

WARNING

Whenever you ride the E-Twow electric twoo wheel scooter you risk serious injury from collisions, falls or loss of control. To ride safely, YOU MUST READ AND FOLLOW ALL INSTRUCTIONS AND WARNINGS IN THIS MANUAL.

This manual includes basic operational instructions for the E-Twow scooter. It cannot cover all situations where injury or death may occur. OPERATORS MUST USE GOOD JUDGMENT AND COMMON SENSE TO DETECT AND AVOID HAZARDS AND DANGERS that they may encounter when riding the E-Twow. By using the E-Twow scooter, you accept of the inherent risks of operating this product.

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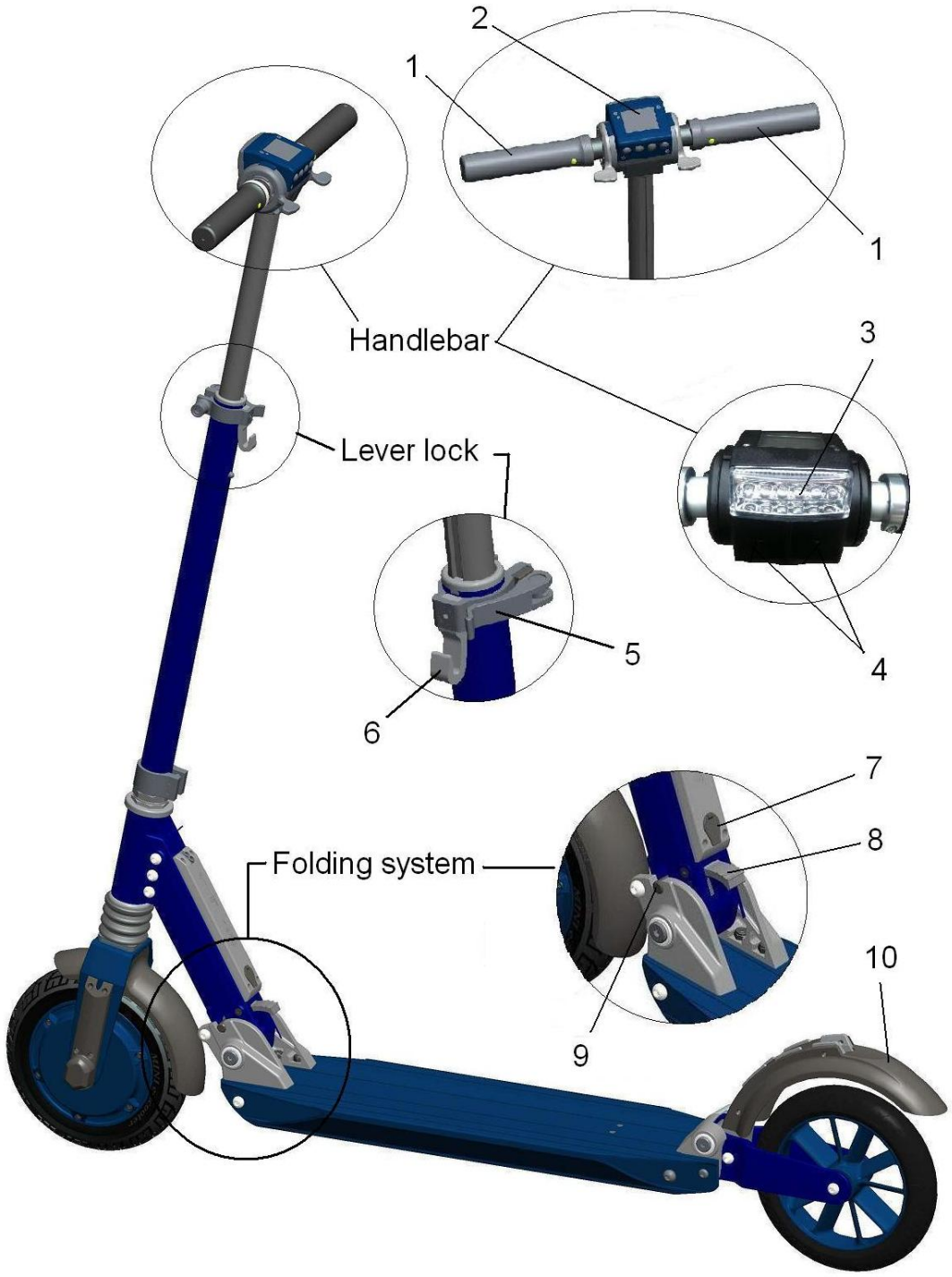
MAIN PARTS



1. Handlebar
2. UBHI (Display, etc)
3. LED headlight
4. Hooter
5. Lock lever
6. Folding hook
7. Battery charging jack
8. Folding lever
9. Lock bolt
10. Rear brake

SAFETY

1. The product is for adults only (above 18 years), limited for one adult, please do not carry two adults at the same time. Is not suitable for minors.
2. Please wear your safety helmet and other protective equipment when riding.
3. Do not ride in traffic lane or unsafe roads and do not break local regulations.
4. Please exercise in wide areas, and ride after skilled manipulation, do not ride in traffic lane.
5. Do not make any dangerous actions when riding or riding with one hand. Keep your feet on the scooter.
6. Do not attempt to ride the scooter on stairs that are above 3 cm, it may overturn causing injuries and/or damages to the rider and/or scooter.
7. Highest speed is 27 Km/h. For your safety, please limit the speed to 20 Km/h. Please try to avoid using it at night, if needed, please limit the speed within 15 Km/h or less and turn the headlights on.
8. Do not use the scooter when the outside temperature is lower than 0ºC.
9. Please slow down or get off from the scooter when riding in poor road conditions.
10. Do not ride the scooter in oily or icy surface terrain.
11. Please adjust the handlebar according to your height to ensure a safe riding.
12. To avoid damages of the electrical parts of the vehicle please do not immerse the scooter in the water with the depth of more than 4 cm and do not wash it with water under pressure.
13. For protection please do not ride the scooter in bad weather such as heavy rain and high winds.

PRODUCTS

Folding stages

A – unfolded

B - folding handlebars

C - fully folded

Folding steps

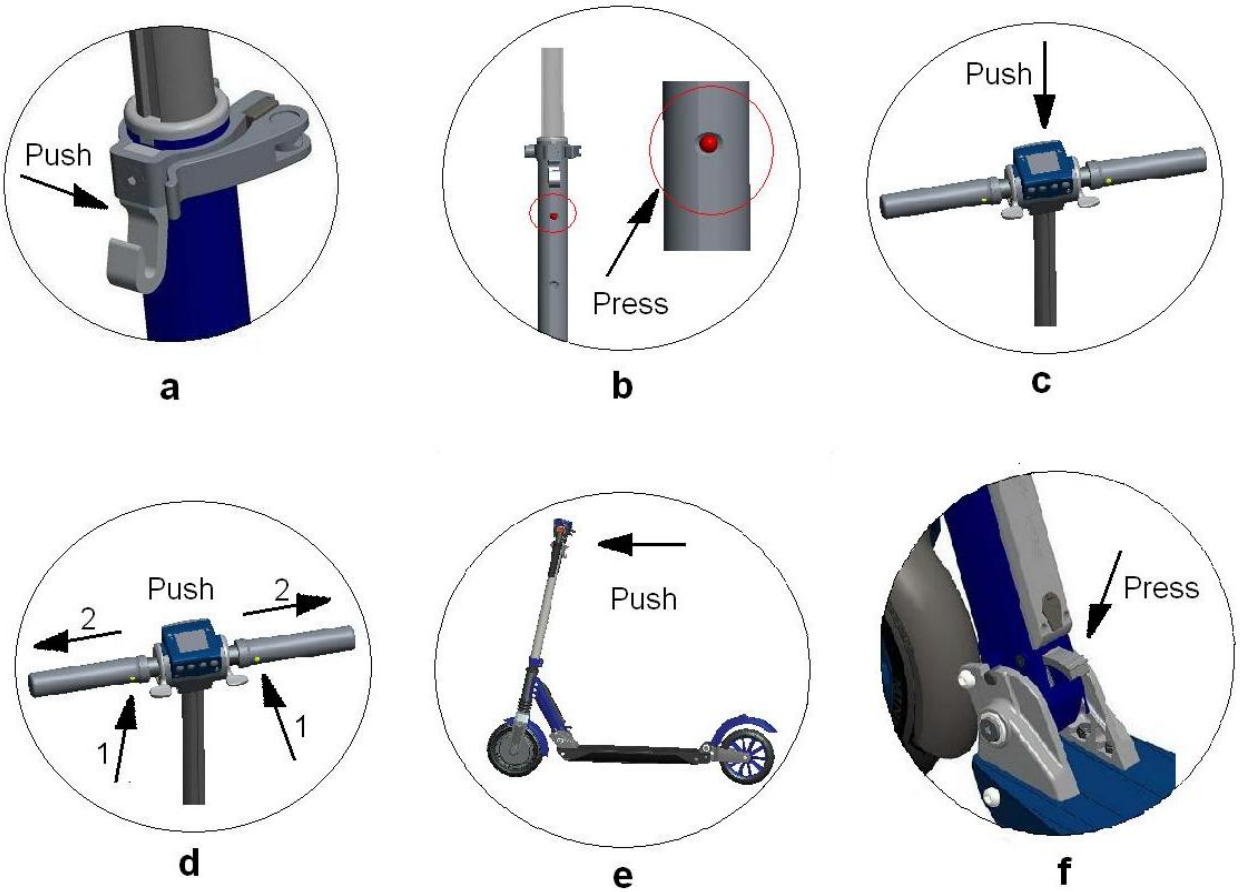
1. Open the **lock lever**, in the direction of arrow, as shown in figure (a).

2. Press the **red button**, figure (b), at the same time press down handlebars as shown in figure (c) and push the **lock lever** to the lock position.

3. Hold the **handlebar** with both hands, push buttons (1) shown in Figure (d). Pull out the **handlebar** grips (figure d), up to the maximum and fold downwards to maximum like in figure B, from previous page.

4. Push the **handlebar** forward when you press the **folding lever** in the direction of the arrow in the figure (f).

5. Continue folding the scooter until the **folding hook** reaches the **opening** located on the **rear brake**.

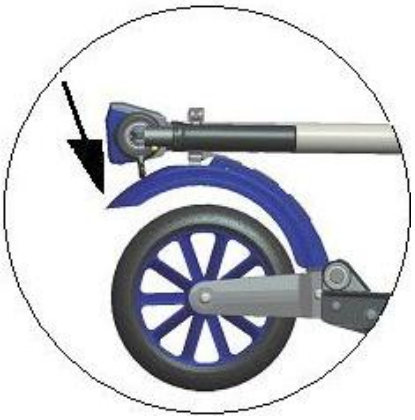


Unfolding steps

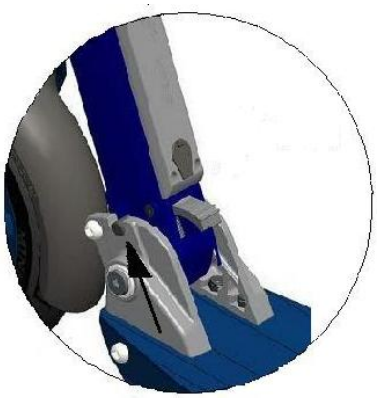
1. Press the **rear brake** in the direction of the arrow in the figure (a) until the **folding hook** release from the opening located on the rear brake. Then, lift the **handlebar** until it reaches the working position and the **locking bolt** comes into place, like in figure (b).

2. Raise the two handles of the **handlebar** until they automatically return to the work position, figure (c).

3. Push the **lock lever** in the direction of the arrow in Figure (d) and lift handlebars to desired height. Now press button shown in Figure (e) and fix it in one of the two holes, as desired.

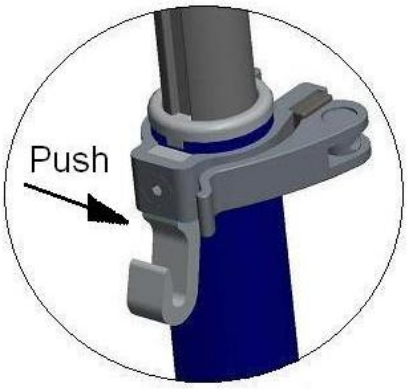


a



b

c



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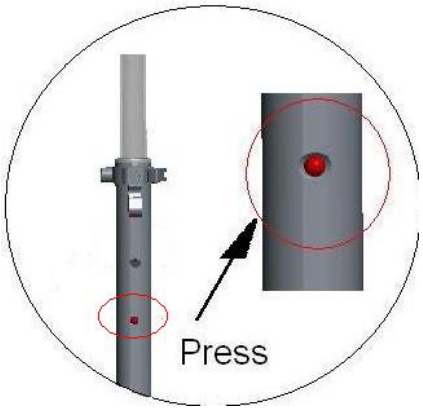

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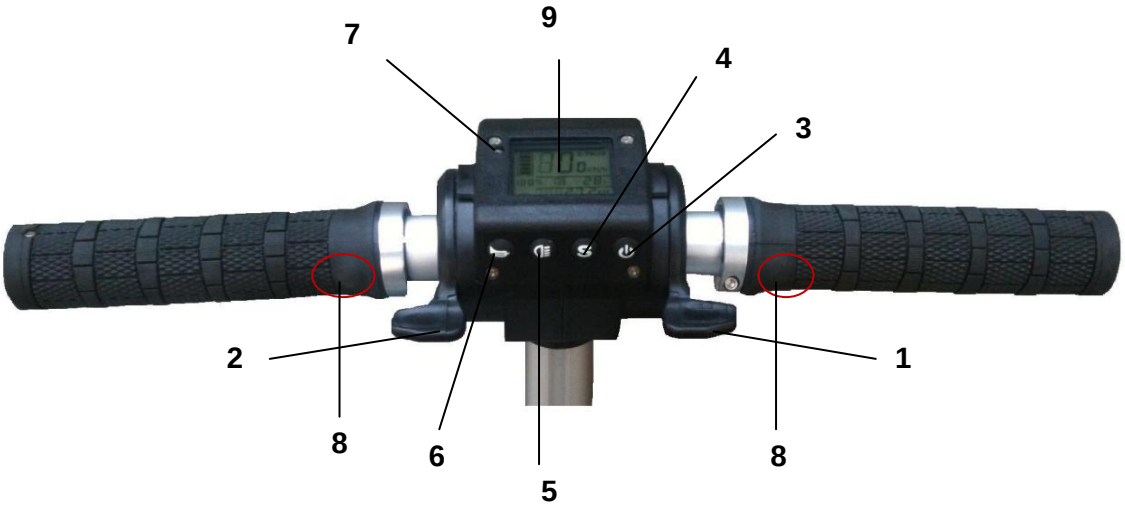
OPERATION

1. Introduction of Handlebar parts



1. Thumb Accelerator
2. Thumb Electronic Magnetic Brake
3. Switch Button
4. Setting Button
5. On/Off Light Button
6. Horn Button
7. Led Headlight
8. Handlebar Fold Button
9. Display

2. Operating Instructions

a. ON/OFF

Press the switch for 1 sec, and the display will light indicating the power is on. Press for 3 seconds if you want to turn it off. It will turn off if you don't use it for 3 minutes.

b. Speed control

Press the right thumb accelerator to control the speed (1-27km/h).

c. Braking Control

Press the left thumb and the electronic magnetic brake will operate. The greater pressure you put, the greater braking force will be.

d. Horn

Turn on the power, when pressing the horn button it will hoot.

e. LED Headlight

In manual mode: Press the On/Off Light button when needed and there will be a sign in display indicates the light is turn on. Press the button again when you do not need the light.

The scooter is equiped with a sensor light that detects the need of light. The light will turn on automaticaly (auto light mode) if the sensor detects poor ambiental light.

For example: when is cloudy weather and the auto light mode is on, the light turns on. If the daylight is proper, the auto light mode detects the light and the headlights will go off after 5 seconds.

On auto light mode, the display is also lighted depending on the ambiental light.

If the scooter is on auto light mode, you can go to manual mode by pushing the On/Off Light Button.

f. Mileage Show

When power off, it shows time.

When the display is powered on, It displays three modes: total, trip and time. You can change it by pressing the settings button. In **'trip'** mode, press the setting button **(S)** for 3 seconds and it will clear the trip.

g. Emergency

In an emergency, it’s recommended to use the foot brake, but please do not use the emergency brake at high speed to avoid the wheel damage. In this case, company will not be responsible for this damage.

3. Display Factory Setting

To access the menu P0 and P1 please press at the same time the switch and setting buttons. Pressing the setting button helps you switch between P0 and P1.

Both menus have other two submenus : 0 and 1, as follows:

P00 (a) - displays the speed in km/h and temperature in Celsius degrees

P01 (b) – displays the speed in mile/h and the temperature in Farenheit degrees

P10 (c) – lights are set on manual mode

P11(d) – lights are set on auto mode

You can switch between menus 0 and 1 in P0 or P1 by pressing the on/off button.

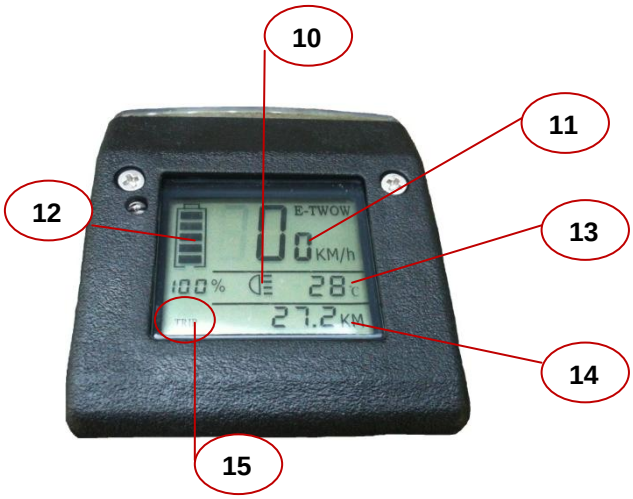
When you press the setting button **(S)** at last and the settings will be finished.

a)

b)

c)

d)



10 – Light sensor

11 – Speed

12 – Battery

13 – Temperature

14 – Displays the total and trip distance

15 - From left to right: total, trip

RIDING OPERATION

Ready

1. Choose a suitable venue for riding.
2. Expand the scooter in accordance with the description.
3. Adjust the T-pipe to the suitable height according to your height.

Start

1. Press the power button to turn on the power.
2. Stand one foot on the scooter and leave another foot on the ground.
3. Gently press down on the right thumb accelerator, the scooter will immediately move forward slowly. Place the foot which is on the ground on the scooter. With big finger of your right hand press the right thumb accelerator, the greater pressure you put, the faster it will go.

Brake

1. Under normal circumstances, pressing the left thumb electronic magnetic brake, the scooter will be immediately de-energized and then it will brake. The greater pressure you put, the greater braking force will be.
2. In an emergency, it's recommended to use the foot brake, but please do not use the emergency brake at high speed to avoid the wheel damage.

BATTERY AND CHARGER

Each E-TWOW electric scooter is equipped with a special lithium ion battery and special smart charger. These accessories that come with each scooter have a dedicated number, please do not use the chargers from other brands. If the battery or charger will be damaged owing to these, our company will not be responsible.

Battery

When you get the E-TWOW electric scooter for the first time, please charge the battery fully before using.

The battery can be charged at any time, in order to ensure that the battery has power, during which the battery will not charge for any damage.

Please charge the battery once every three months if stop using the scooter.

Water immersion, collisions, and other abnormal factors will lead to battery damage, which is not covered under warranty.

Charger

The company provides dedicated charger which has a charging protection function, when the battery is 100% charged, the charger will automatically stop charging. Charging time is no more than 3 hours.

Water immersion, collisions, and other abnormal factors will lead to charger damage, which is not covered under warranty.

Charge Description

Open the charging hole rubber protective cover, put the charger connector into the charging hole.

Connect the charger plug into the power socket.

It means it is charging when charger light is red, charger light turns green when the battery is fully charged.

MAINTENANCE

Lubricating

Please add a small amount of grease or lubricants to handle folded position every six months.

Please check scooter every three months if the screws are loose it up.

Battery

The lithium-ion batteries provided by our company can be recharged at least 500 times, the normal use can reach more than 1,000 times.

Placement and daily care

Do not expose the scooter under the sun or wet places for too long time. Please keep the scooter clean and dry.

GENERAL TROUBLESHOOTING

Checklist

When the products have any problems, please refer to the following methods.

1. **LED display black screen**

   Reason: Exposure under the sun for too long.

   Solution: Place it in shadow and it will return to normal after a period.

2. **Values from the display do not fit the actual values. Reason: Parameters are set incorrectly or missing.**

   Solution: Please reset the display to the factory settings.

3. **No information on digital display**

   Reason: Bad battery contacts or the battery is dead.

   Solution: Turn off the power then restart again, if the problem still occurs, please contact your local reseller.

In case that the product still does not operate normally, please contact your local vendor or reseller.

PRODUCT SPECIFICATION SHEET

	Item	E-TWOW
Specifications	Overall Expand Size	940*1160*135mm
	Overall Fold Size	940*330*150mm
	Scooter Weight	10.4KG
Capability	Maximum load	110KG
	Top Speed	27km/h
	Grade Ability	15 degree slope
	Single Life	25km(varied from weight, wind speed, road conditions, temperature and other factors)
Battery parameters	Standard Voltage	24V
	Battery Type	Li-ion
	Battery Capacity	6.5AH / 8AH
Motor parameters	Motor type	Brushless DC Motor
	Rated Output Power	250W
	Maximum Rotational Speed	800r/min
	Rated voltage	24V
	Maximum output torque	13.3Nm
Charger parameters	Output Voltage	220V
	Charging time	2-3h

QUALITY ASSURANCE

In normal use, if a part or parts of the electric scooters have any problems listed in the following form during the warranty period, please contact your local vendor or reseller, we will provide a complete service as specified in the warranty book.

Item	Quality problems	Warranty period	Service item
Motor	Under normal circumstances the motor can not be used	One year	Free maintenance
Controller	Failures under normal use	One year	Free maintenance
Charger	Failures under normal use	One year	Free maintenance
Lithium Battery	Under normal circumstances can not be charged and discharged	One year	Free maintenance
UBHI (uniblock human interface-display)	Can not be used under natural conditions (Excluding the impact forces and external damages)	Six month	Free maintenance
Body structure	Failures under normal use, such as deformations and fractures	One year	Free maintenance

Note: *Please follow the correct way to use our products, the company will not be responsible for parts damaged and other damages caused by abnormal use.*

In warranty period, if the malfunction and damage caused by following causes are not within the scope of the quality assurance:

1. Unappropiate maintenance and repair that are not in accordance with the instruction manual.
2. Use of the electric scooter for other purposes such as performing super dangerous actions, that result in damages or functional failures.

3. Using any of external factory components.
4. Disassembling the scooter without contacting the product reseller.
5. Wrong use, traffic accidents or accidental collision damage to the body and the body parts.
6. Riding in off-roads that can cause damages or failures to use the scooter.